Author Index of Volume 63

Abalyaeva, V.V., 109, 153
Abdel Azzem, M., 79
Adès, D., 89
Akimichi, H., 57
Anand, J., 43
Aoki, K., 29
Arbuckle, G.A., 35
Audebert, P., 247

Bao, J.R., 17
Bidan, G., 73, 247
Billon, M., 247
Blau, W., 179
Buecheler, N.M., 35
Bujard, P., 115
Bulhões, L.-O.S., 183

Cametti, C., 23
Campbell, S.A., 233
Cao, Y., 47
Cardin, D.J., 179
Carlsen, P.H.J., 157
Chauvet, O., 115, 121
Chevrot, C., 89
Clark, C., 35

Davey, A.P., 179
Divisia-Blohorn, B., 247
Dunleavy, M., 233
Dziembaj, R., 225

Esteghamatian, M., 195

Faïd, K., 89
Fell, H.J., 157
Forro, L., 115
Fujimoto, H., 101
Furlani, A., 23

Gedrovich, G., 153
Gotoh, M., 29
Gregory, R.V., 67
Grozdanov, I., 213

Hall, E.A.H., 133
Hapiot, P., 247
Heeger, A.J., 47
Hlavatý, J., 209
Honda, K., 29
Hotta, S., 57
Hu, H.S.-W., 61

Iucci, G., 23
Iwasaki, K., 101

Jiang, H., 17
Jing, X.B., 17

Kai, K., 115
Kaplin, D.A., 187
Kastner, J., 147
Kavan, L., 147, 209
Kern, J.M., 247
Kistenmacher, T.J., 61
Kogan, I.L., 109, 153
Korol, E.N., 245
Kozlov, M.E., 205

Lacaze, P.-C., 7
Limosin, D., 79
Lin, S.H., 17
Liu, M.J., 67
Lopez, C., 73
Lou, X., 179

Mårdalen, J., 157
Matsuzaki, S., 101
Mendes Viegas, M.F., 73
Micka, K., 147
Mizuno, M., 29
Mordkovich, V.Z., 1
Mory, J., 121
Moses, D., 47
Mostefai, M., 7
Movaghar, B., 163
Muramatsu, S., 217

Noge, H., 57

Oelhafen, P., 221

Page, H., 179
Palaniappan, S., 43
Papež, V., 209
Paschen, S., 115
Pereira, E.C., 183
Pham, M.-C., 7
Pierre, G., 79
Piwowarska, Z., 225
Potember, R.S., 61
Pramanik, P., 199

Qutubuddin, S., 187

Ratcliffe, N.M., 233
Reghu, M., 47
Rong, T.W., 17
Roth, S., 163
Russo, M.V., 23

Sakaki, H., 57
Samuelsen, E.J., 157
Sathyanarayana, D.N., 43
Sauvage, J.P., 247
Schiavon, G., 53
Shibuya, I., 29
Simon, M., 7
Siove, A., 89
Skinner, N.G., 133
Smith, J.R., 233
Srinivasan, S., 199
Steiner, R., 221
Sun, J.H., 17

Talaie, A., 83
Thiele, J.-U., 221
Tokumoto, M., 205
Tzou, K., 67

Uchiyama, K., 57

Viands, C.A., 61
Vieil, E., 73

Wallace, G.G., 83
Wan, H.H., 17
Wang, L.X., 17
Wang, W.M., 17
Wernet, W., 115
Wille, A., 35

Xie, X., 221
Xu, G., 195

Yamaguchi, S., 61
Yamaguchi, Y., 127
Yoon, C.O., 47
Yorikawa, H., 217
Yousef, U.S., 79

Zotti, G., 53
Zuppiroli, L., 115

Subject Index of Volume 63

Aniline
initiating agents for electrochemical polymerization of aniline on titanium electrodes, 109

Bis(ethylenedithio)tetrathiafulvalene
observation of luminescence in neutral bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF) and its radical ion salt, 205

C_{60}
tight-binding study of the Stark effect on C_{60}, 217
Capacitance–potential curves
analysis of redox processes in poly(3-methylthiophene) using capacitance–potential curves, 183
Carbazolylene
electrosynthesis and study of phenylene–carbazolylene copolymers, 89
Carbon
UV–Vis absorption of thin electrochemical carbon layers on poly(tetrafluoroethylene-*co*-hexafluoropropene), 147
Chalcogen
electronic structure of one-dimensional silicon–chalcogen polymers, 127
Conductive properties
electrochemical n-doping of poly(dithienylvinylene). A comparison of cyclovoltammetric and conductive properties in n- and p-doping, 53
Conductivity
effect of lithium doping on the conductivity of poly(*p*-phenylene vinylene), 195
Conductor
crystal structure and conduction property of the first quasi-one-dimensional conductor of tetrathiafulvalenium salt with mixed inorganic anions, $(TTF)(ClO_4)_{0.14\pm0.02}^{-}(Cl)_{0.42\pm0.08}$, 29
Conformational changes
conformational changes of poly(3-alkylthiophene)s with temperature and pressure, 101
Conjugation length
dependence of the electroconductivity of n-doped polymers on conjugation length, 245
Copolymer
electrosynthesis and study of phenylene–carbazolylene copolymers, 89
Copper
scanning tunneling microscopy of the conducting transition metal complex, copper bis-(2,5-dimethyl-*N*,*N*′-dicyanoquinonediimine), 61
electroconductive copper selenide films on transparent polyester sheets, 213
indication of a strong accelerative effect in the electropolymerization of four pyrrole units gathered around an entwined complex, $Cu(dpp)_2^+$ (dpp = 2,9-diphenyl-1,10-phenanthroline), 247
Crystal
crystal structure and conduction property of the first quasi-one-dimensional conductor of tetrathiafulvalenium salt with mixed inorganic anions, $(TTF)(ClO_4)_{0.14\pm0.02}^{-}(Cl)_{0.42\pm0.08}$, 29
Cyclovoltammetric properties
electrochemical n-doping of poly(dithienylvinylene). A comparison of cyclovoltammetric and conductive properties in n- and p-doping, 53

Diaminonaphthalene
electropolymerization of 1,5-diaminonaphthalene in acetonitrile and in aqueous solution, 79
Di(*N*-pyrrolyl)alkanes
electrochemical polymerization of α,ω-di(*N*-pyrrolyl)alkanes, 209
Dopants
comparison of ion exchange properties of polypyrrole with and without immobilized dopants by optical beam deflection, 73
Doping
a quartz crystal microbalance study of vapor phase iodine doping of polyacetylene, 35
electrochemical n-doping of poly(dithienylvinylene). A comparison of cyclovoltammetric and conductive properties in n- and p-doping, 53
influence of the doping conditions on the surface energies of conducting polymers, 67
magnetic and transport properties of polypyrrole doped with polyanions, 115
effect of lithium doping on the conductivity of poly(*p*-phenylene vinylene), 195
X-ray photoelectron spectroscopy (XPS) as a useful tool to characterize polyaniline doped by 12-tungstosilicic, 12-tungstophosphoric and 12-molybdophosphoric acids, 225
dependence of the electroconductivity of n-doped polymers on conjugation length, 245

Electrical characterization
electrical characterization induced in pernigraniline by potassium ion implantation, 17
Electrical conductivity
temperature dependence of low-frequency electrical conductivity of the poly(phenylacetylene)–iodine charge-transfer complex in solution, 23
Electrical transport
electrical transport in conductive blends of polyaniline in poly(methyl methacrylate), 47
Electrochemical carbon
UV–Vis absorption of thin electrochemical carbon layers on poly(tetrafluoroethylene-*co*-hexafluoropropene), 147
Electrochemical polymerization
initiating agents for electrochemical polymerization of aniline on titanium electrodes, 109
electrochemical polymerization of α,ω-di(*N*-pyrrolyl)alkanes, 209
Electrochemical properties
the effect of the counterion on the electrochemical properties of conducting polymers — a study using resistometry, 83
Electroconductivity
dependence of the electroconductivity of n-doped polymers on conjugation length, 245

Electrodeposition
electrodeposition of pyrrole into a porous film prepared by microemulsion polymerization, 187
Electroluminescence
electroluminescence from thin film of a semiconducting oligothiophene deposited in ultrahigh vacuum, 57
Electropolymerization
electropolymerization of 1,5-diaminonaphthalene in acetonitrile and in aqueous solution, 79
polyheterocycles containing alkene spacer linkages. Part I. Synthesis and electropolymerization of 3-styrylthiophenes, 233
indication of a strong accelerative effect in the electropolymerization of four pyrrole units gathered around an entwined complex, $Cu(dpp)_2^+$ (dpp = 2,9-diphenyl-1,10-phenanthroline), 247
Electrosynthesis
electrosynthesis and study of phenylene–carbazolylene copolymers, 89
Emulsion
electrodeposition of pyrrole into a porous film prepared by microemulsion polymerization, 187
Equivalent circuit
the relevance of an equivalent circuit for polyaniline using immittance spectroscopy, 133

Films
electrochemical synthesis and study of poly(5-amino 1-naphthol) film in aqueous and organic media, 7
electroluminescence from thin film of a semiconducting oligothiophene deposited in ultrahigh vacuum, 57
electrodeposition of pyrrole into a porous film prepared by microemulsion polymerization, 187
electroconductive copper selenide films on transparent polyester sheets, 213

GIC
model for constitution of graphite intercalation compounds, 1

Initiating agents
initiating agents for electrochemical polymerization of aniline on titanium electrodes, 109
Iodine
temperature dependence of low-frequency electrical conductivity of the poly(phenylacetylene)–iodine charge-transfer complex in solution, 23
a quartz crystal microbalance study of vapor phase iodine doping of polyacetylene, 35
Ion exchange properties
comparison of ion exchange properties of polypyrrole with and without immobilized dopants by optical beam deflection, 73
Ion implantation
electrical characterization induced in pernigraniline by potassium ion implantation, 17

Kapton
the response of pyrolysed Kapton in the gigahertz range, 121

Lithium
effect of lithium doping on the conductivity of poly(*p*-phenylene vinylene), 195
Luminescence
observation of luminescence in neutral bis(ethylenedithio)-tetrathiafulvalene (BEDT-TTF) and its radical ion salt, 205

Magnetic properties
magnetic and transport properties of polypyrrole doped with polyanions, 115
Magnetotransport
magnetotransport in polyacetylene, 163
Microscopy
scanning tunneling microscopy of the conducting transition metal complex, copper bis-(2,5-dimethyl-*N*,*N'*-dicyano-quinonediimine), 61
Model
model for constitution of graphite intercalation compounds, 1

Oligothiophene
electroluminescence from thin film of a semiconducting oligothiophene deposited in ultrahigh vacuum, 57
Optical beam deflection
comparison of ion exchange properties of polypyrrole with and without immobilized dopants by optical beam deflection, 73
Optical properties
nonlinear optical properties of some mono- and bimetallic organometallic systems, 179
optical properties of chemically prepared polyemeraldine, 199
Organometallic systems
nonlinear optical properties of some mono- and bimetallic organometallic systems, 179

Pernigraniline
electrical characterization induced in pernigraniline by potassium ion implantation, 17
Phenylene
electrosynthesis and study of phenylene–carbazolylene copolymers, 89
Plasma
preparation and characterization of conducting plasma polymers of tetracyanoquinodimethane (TCNQ) with quinoline, 221
Poly(2-methylaniline)
conducting poly(2-methylaniline) salts and their bases: temperature-dependent EPR studies, 43
Poly(3-alkylthiophene)
conformational changes of poly(3-alkylthiophene)s with temperature and pressure, 101
Poly(3-hexylthiophene)
structural and thermochromic properties of mixtures of poly(3-hexylthiophene) and poly(3-octylthiophene), 157
Poly(3-methylthiophene)
analysis of redox processes in poly(3-methylthiophene) using capacitance–potential curves, 183
Poly(3-octylthiophene)
structural and thermochromic properties of mixtures of poly(3-hexylthiophene) and poly(3-octylthiophene), 157
Poly(5-amino 1-naphthol)
electrochemical synthesis and study of poly(5-amino 1-naphthol) film in aqueous and organic media, 7
Polyacetylene
a quartz crystal microbalance study of vapor phase iodine doping of polyacetylene, 35
magnetotransport in polyacetylene, 163

Polyaniline
electrical transport in conductive blends of polyaniline in poly(methyl methacrylate), 47
the relevance of an equivalent circuit for polyaniline using immittance spectroscopy, 133
electrochemical synthesis of polyaniline on tantalum and stainless-steel electrodes, 153
X-ray photoelectron spectroscopy (XPS) as a useful tool to characterize polyaniline doped by 12-tungstosilicic, 12-tungstophosphoric and 12-molybdophosphoric acids, 225
Poly(dithienylvinylene)
electrochemical n-doping of poly(dithienylvinylene). A comparison of cyclovoltammetric and conductive properties in n- and p-doping, 53
Polyemeraldine
optical properties of chemically prepared polyemeraldine, 199
Polyester
electroconductive copper selenide films on transparent polyester sheets, 213
Polyheterocycles
polyheterocycles containing alkene spacer linkages. Part I. Synthesis and electropolymerization of 3-styrylthiophenes, 233
Polymerization
initiating agents for electrochemical polymerization of aniline on titanium electrodes, 109
electrodeposition of pyrrole into a porous film prepared by microemulsion polymerization, 187
electrochemical polymerization of α,ω-di(*N*-pyrrolyl)alkanes, 209
Poly(methyl methacrylate)
electrical transport in conductive blends of polyaniline in poly(methyl methacrylate), 47
Poly(phenylacetylene)
temperature dependence of low-frequency electrical conductivity of the poly(phenylacetylene)–iodine charge-transfer complex in solution, 23
Poly(*p*-phenylene vinylene)
effect of lithium doping on the conductivity of poly(*p*-phenylene vinylene), 195
Polypyrrole
comparison of ion exchange properties of polypyrrole with and without immobilized dopants by optical beam deflection, 73
magnetic and transport properties of polypyrrole doped with polyanions, 115
Poly(tetrafluoroethylene-*co*-hexafluoropropene)
UV–Vis absorption of thin electrochemical carbon layers on poly(tetrafluoroethylene-*co*-hexafluoropropene), 147
Potassium
electrical characterization induced in pernigraniline by potassium ion implantation, 17
Pyrolysis
the response of pyrolysed Kapton in the gigahertz range, 121
Pyrrole
electrodeposition of pyrrole into a porous film prepared by microemulsion polymerization, 187
indication of a strong accelerative effect in the electropolymerization of four pyrrole units gathered around an entwined complex, $Cu(dpp)_2^+$ (dpp = 2,9-diphenyl-1,10-phenanthroline), 247

Quartz crystal
a quartz crystal microbalance study of vapor phase iodine doping of polyacetylene, 35
Quinoline
preparation and characterization of conducting plasma polymers of tetracyanoquinodimethane (TCNQ) with quinoline, 221

Redox processes
analysis of redox processes in poly(3-methylthiophene) using capacitance–potential curves, 183
Resistometry
the effect of the counterion on the electrochemical properties of conducting polymers — a study using resistometry, 83

Silicon
electronic structure of one-dimensional silicon–chalcogen polymers, 127
Spectra
UV–Vis absorption of thin electrochemical carbon layers on poly(tetrafluoroethylene-*co*-hexafluoropropene), 147
Spectroscopy
conducting poly(2-methylaniline) salts and their bases: temperature-dependent EPR studies, 43
the relevance of an equivalent circuit for polyaniline using immittance spectroscopy, 133
X-ray photoelectron spectroscopy (XPS) as a useful tool to characterize polyaniline doped by 12-tungstosilicic, 12-tungstophosphoric and 12-molybdophosphoric acids, 225
Stainless steel
electrochemical synthesis of polyaniline on tantalum and stainless-steel electrodes, 153
Stark effect
tight-binding study of the Stark effect on C_{60}, 217
STM
scanning tunneling microscopy of the conducting transition metal complex, copper bis-(2,5-dimethyl-*N*,*N'*-dicyanoquinonediimine), 61
Structural properties
structural and thermochromic properties of mixtures of poly(3-hexylthiophene) and poly(3-octylthiophene), 157
Structure
crystal structure and conduction property of the first quasi-one-dimensional conductor of tetrathiafulvalenium salt with mixed inorganic anions, $(TTF)(ClO_4)_{0.14\pm0.02}$-$(Cl)_{0.42\pm0.08}$, 29
electronic structure of one-dimensional silicon–chalcogen polymers, 127
Styrylthiophenes
polyheterocycles containing alkene spacer linkages. Part I. Synthesis and electropolymerization of 3-styrylthiophenes, 233
Surface energies
influence of the doping conditions on the surface energies of conducting polymers, 67
Synthesis
electrochemical synthesis and study of poly(5-amino 1-naphthol) film in aqueous and organic media, 7
electrosynthesis and study of phenylene–carbazolylene copolymers, 89
electrochemical synthesis of polyaniline on tantalum and stainless-steel electrodes, 153
polyheterocycles containing alkene spacer linkages. Part I. Synthesis and electropolymerization of 3-styrylthiophenes, 233

Tantalum
electrochemical synthesis of polyaniline on tantalum and stainless-steel electrodes, 153
Temperature dependence
temperature dependence of low-frequency electrical conductivity of the poly(phenylacetylene)–iodine charge-transfer complex in solution, 23
Tetracyanoquinodimethane
preparation and characterization of conducting plasma polymers of tetracyanoquinodimethane (TCNQ) with quinoline, 221
Tetrathiafulvalenium salt
crystal structure and conduction property of the first quasi-one-dimensional conductor of tetrathiafulvalenium salt with mixed inorganic anions, $(TTF)(ClO_4)_{0.14\pm0.02}$-$(Cl)_{0.42\pm0.08}$, 29
Thermochromic properties
structural and thermochromic properties of mixtures of poly(3-hexylthiophene) and poly(3-octylthiophene), 157
Tight binding
tight-binding study of the Stark effect on C_{60}, 217
Titanium
initiating agents for electrochemical polymerization of aniline on titanium electrodes, 109
Transition metal
scanning tunneling microscopy of the conducting transition metal complex, copper bis-(2,5-dimethyl-*N*,*N*′-dicyanoquinonediimine), 61
Transport properties
magnetic and transport properties of polypyrrole doped with polyanions, 115